

# AUTOMATIC COACH WASH PLANT





## Company Profile

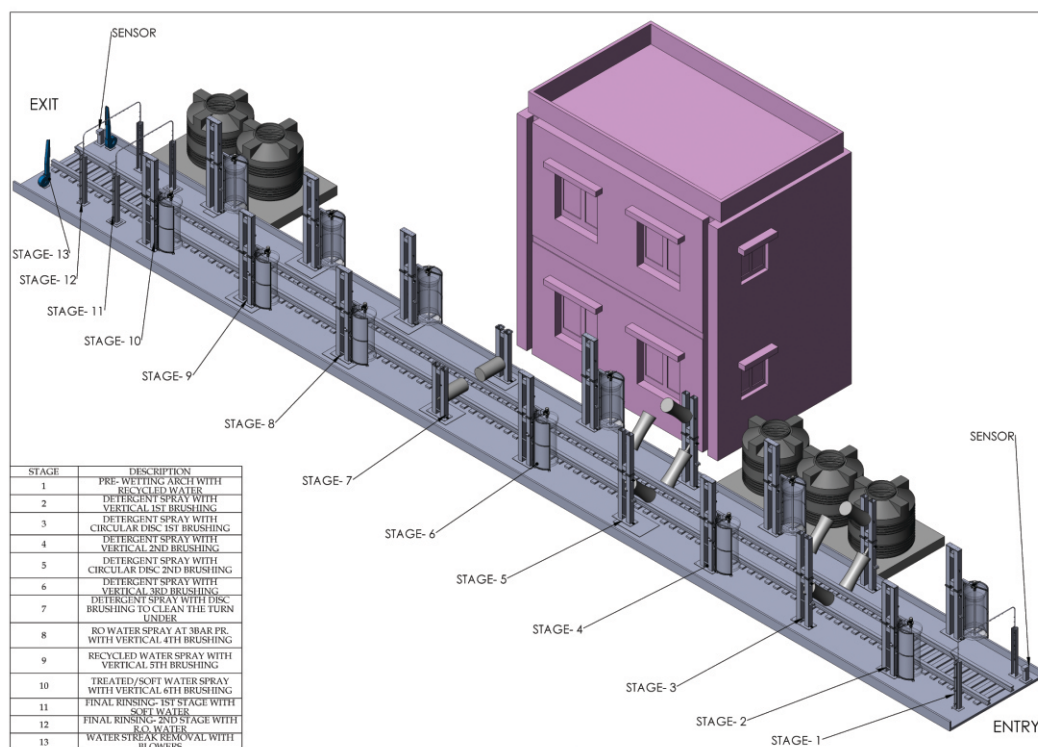
We, **NISSAN CLEAN INDIA PVT LTD**, are one of the leading manufacturers of "Vehicle Washing System" with sound technical background, knowledge & Vehicle Wash Industry.

Designing and building superior equipment has been a tradition at Nissan Clean India since it's foundation in 1990, when the founder recognized the need for more efficient and reliable Brushing, Cleaning and Vehicle reputation of providing the industry's finest and most cost effective vehicle wash systems in today's era. **NISSAN CLEAN INDIA PVT LTD**, Gujarat, India.

**Nissan Clean India's** Coach washing plant is designed by keeping in mind all the requirements of coach operators and there cleaning expectations, the system is designed to provide best available cleaning power for carriages with diesel locomotive, Carriages wi locomotive. The main concern of using washing equipments to clean the coach is that it should have effective reach to all the areas covering the exterior of the coach, cleans the coach effectively and with little effort and time consumption.

Keeping the coach clean is an essential part for any public transport to ensure effective service, cleanliness and convenience of the customers. Clean surrordings as a key impact on the travellers using the coach services and helps in creating rep running of the business.

## Automatic Coach Wash Working Flow Diagram





## Salient Features

- Stationary Washing plant with “ drive through”
- Fully automatic system
- Approximately 3000 ltrs of fresh water consumption per train wash
- Approximately 2500 ltrs of treated water consumption per train wash
- Substantial reduction of water usage
- Considerable reduction in washing time. More precisely 2 coaches per minute.
- Recycling used water facility
- Ease availability of spares and consumables

## In Built Features

- Programmable Logic Controllers (PLC)
- Sensors (Distance, Cut- off and Start)
- High pressure pumps
- Pneumatic Assemblies (Proper contact and maintain constant pressure between brush bristles and surface to be cleaned)
- High quality Brush Bristles

## Optional Features

- Drying system
- 5m<sup>3</sup> to 20m<sup>3</sup> per hour ETP Plant
- 5m<sup>3</sup> to 10m<sup>3</sup> per hour water softening planface to be cleaned)

## Basic Parameters For Required Performance

- Train speed to be 3-5 KMPH
  - Train electrical load 90 kw
  - Water supply to be close by for optimum power consumption
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- **Space** : 50-70 m x 6.5 m
  - **Power** : 75 HP (excluding air compressor)
  - **Water Consumption** : 600 to 900 ltrs./min depending on length of rack



**Nissan Clean India Pvt Ltd. is the manufacturer of Vehicle wash systems and various Industrial Cleaning equipment,**

Nissan Clean India (NCI) has been an innovator in the vehicle wash industries and has refined its products to become a leading supplier to many of the nation's largest and most prestigious corporations and organizations including privately-Owned professional carwash operators, corporate rental car operators, private bus operators, school districts, municipalities, auto dealership, transit authorities and other.

Defending quality as an essential guiding principle and not just a market requirement is a tradition at Nissan Clean India. As early as 1990 we obtained official certification for our procedures under quality code ISO 9001:2015



**Company Office & Workshop**

37,38, Shiv Bhoomi Industrial Estate, Kubadthal Road, Nr. Techflow Engg. Kubadthal, Ahmedabad-382430. Gujarat India.

+91 97237 44422

mail@nissanclean.com  
sales@nissanclean.com

www.nissanclean.com

**Social Media & Digital Presence**



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